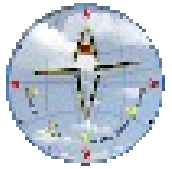
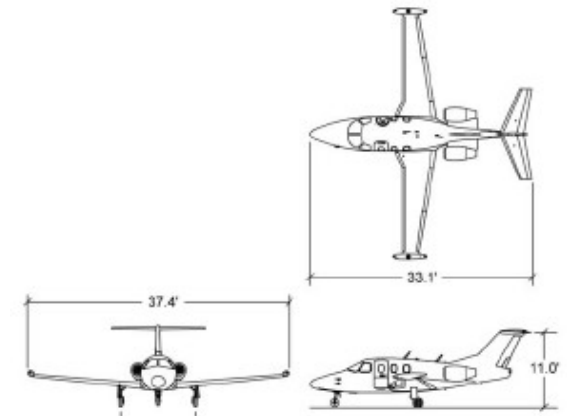


February 2008



NextGen Now



Accelerating early adoption

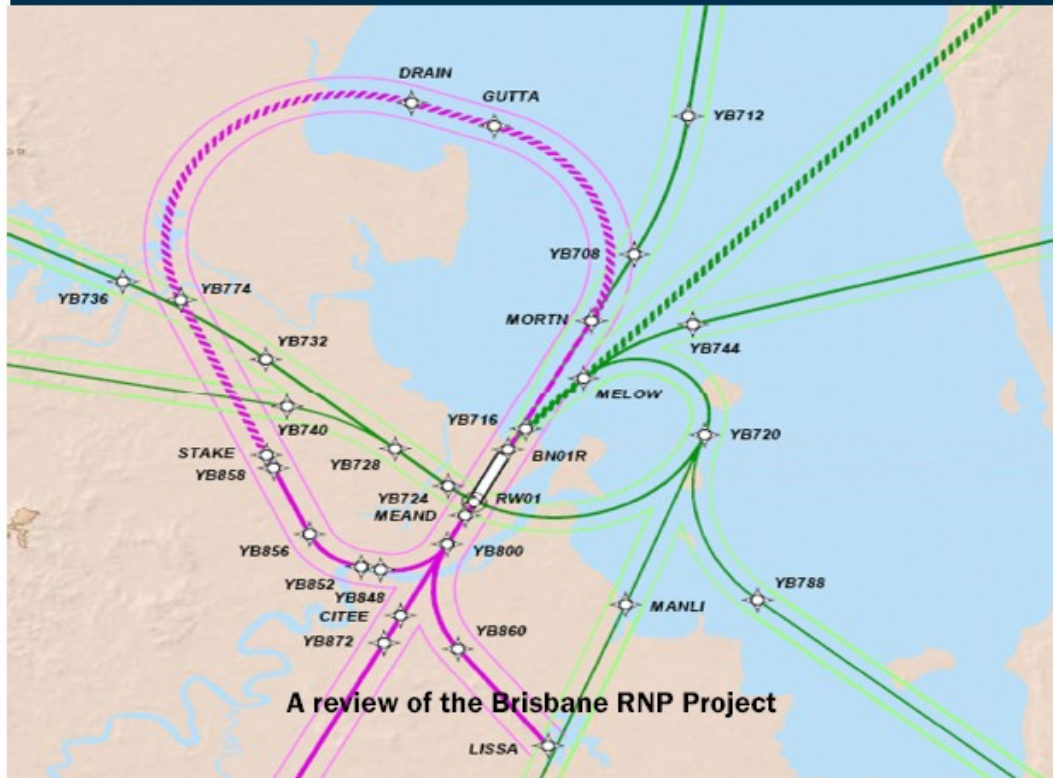
Messages for Today

- Strategy: Acceleration is facilitated through implementation of NextGen technologies outside of the OEP 35+250.
- Partnership: The emerging on-demand air transport operators are positioned to support acceleration by virtue of their aircraft, business models, airports, and airspace used.
- Engage State and local support by integrating NextGen requirements into State Aviation System Plans and Airport Master Plans, based on NextGen implementation plans.

The Art and Science of the Possible

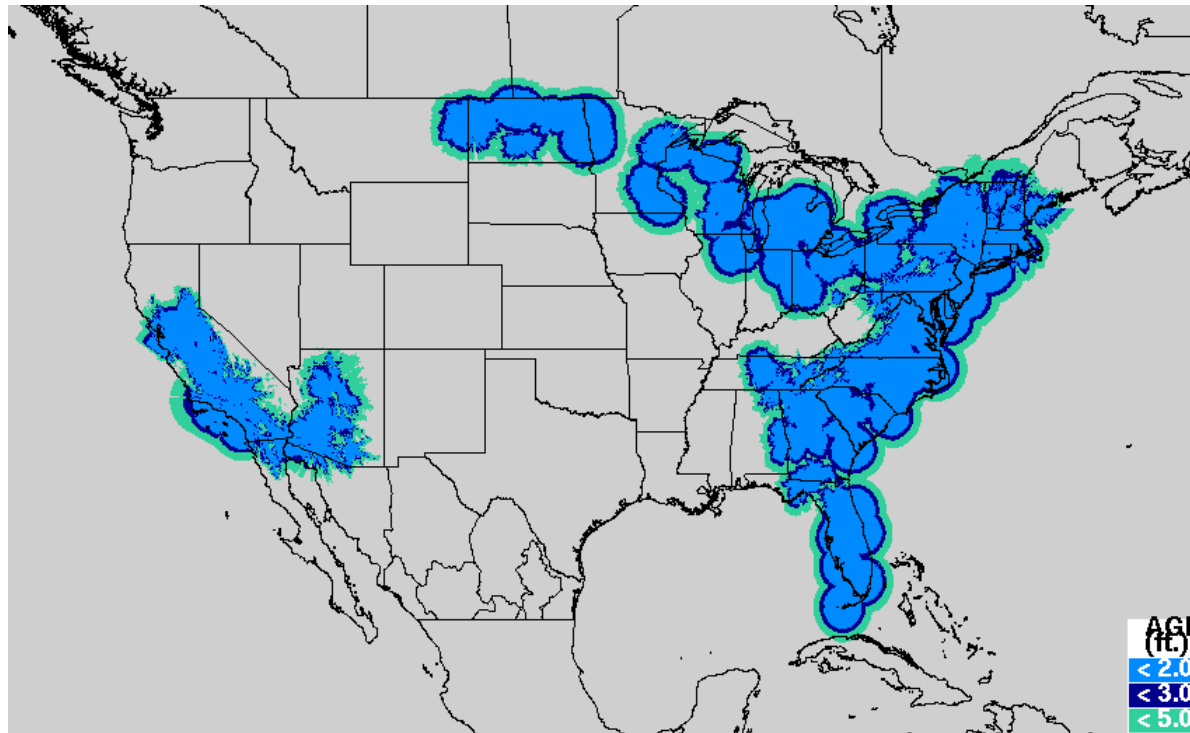
RNP: Lessons from Brisbane

RNP – Brisbane



- Fuel
- Emissions
- Noise
- Time
- Safety
- Capacity

Segment 1 ADS-B Coverage



Demonstration Planning Actions:

2. Identify coverage volume requirements for spacing assurance and fleet management functions
3. Coordinate with ADS-B Service Provider for Demonstration infrastructure

Sustainable Air Transport

■ Embracing Change through innovation



Engines

Fuel



Neutralizing carbons

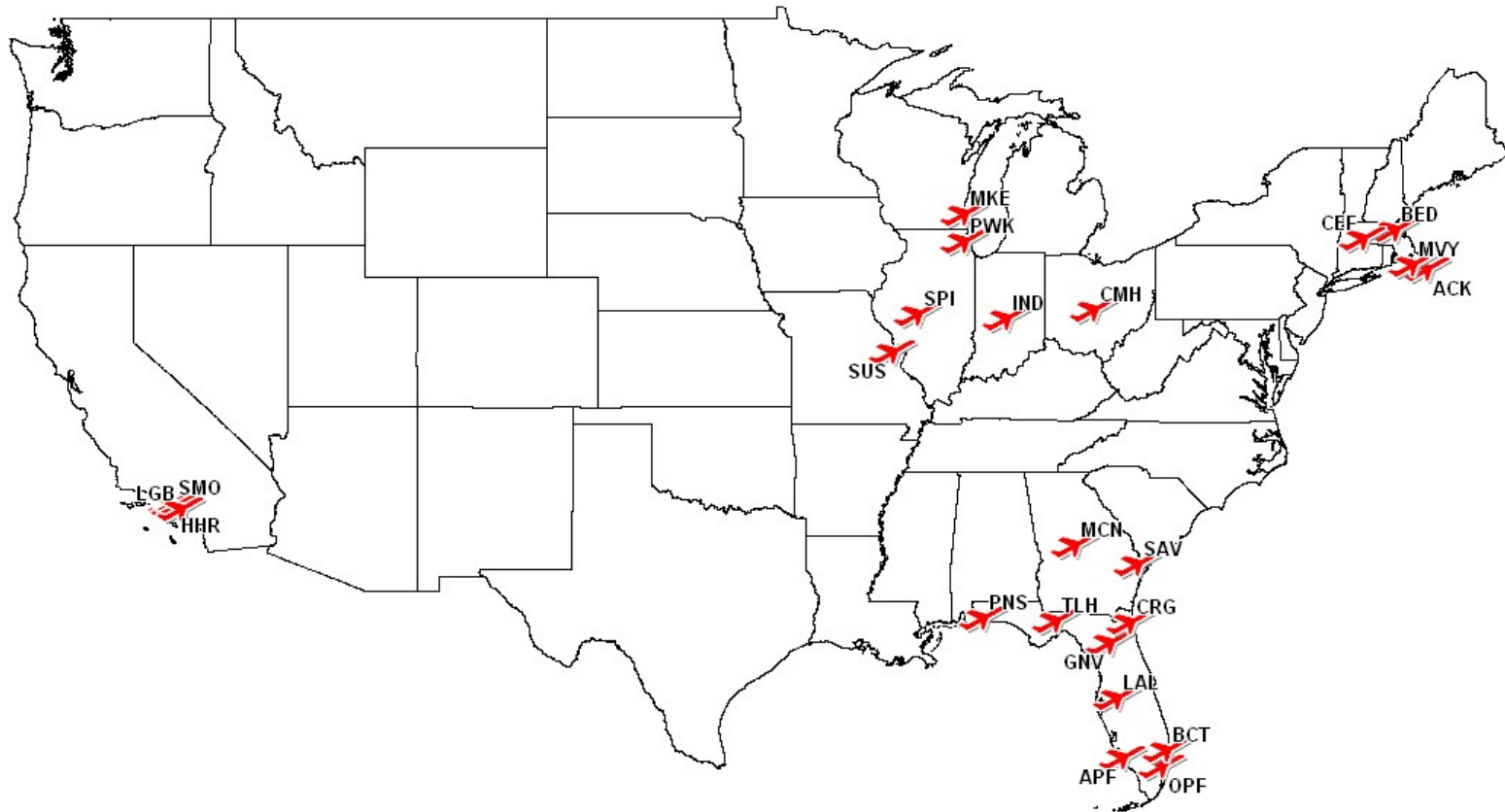
Sustainable business practices

Efficiencies in the air - NextGen



- Operators flying advanced technology aircraft between underutilized community airports can demonstrate NextGen benefits without imposing limitations on users of the major airline hubs or first-tier city pairs

Innovation at the edges of the NAS



Principles

- RNP everywhere
- ADS-B IN and OUT everywhere
- Precision minima for all runways
- Multi-Lateration / TIS-B to the surface
- Common Internet Protocols for Aviation Communication

These principles enable diffusion of scalable infrastructure supporting the rapid expansion of air mobility into the “long tail” of the nation’s smaller community markets.

Demonstration Drivers

- Uncontested need across all sectors, public and private, for additional capacity and efficiency within the NAS much sooner than currently proposed
 - Uncontested national benefits
 - Opportunity to support the “Greater Good”
- Requirement for compelling data that facilitate public and private goals for greater support for earlier implementation of NextGen
 - Public sector agencies gain support for their missions
 - Private sector vendors have markets for products

NextGen Demo Roadmap

NextGen Demo Roadmap Stage	2008				09	10	11	12	Outcomes (Operating Capabilities Implemented)
	Q1	Q2	Q3	Q4					
E: + System-Wide Information Management									Footprint savings and benefits
D:+ NextGen Radios, Networked Weather, Remote Tower Services									4D Trajectory Based Operations
C: RNP 0.3									RNP Procedures
B: + Integrated Avionics / ADS-B									ADS-B Applications
A: 2008 Baseline Aircraft-Airspace									Value Proposition and Baseline Footprint
Partnership Development									NextGen Demo Concept Paper

Outcomes

- The Demo plan offers the next generation air taxi industry, airline transport and cargo operators, business and general aviation, and related government players a platform for **acceleration** of NextGen technologies
- Outcomes **reduce the cost** to industry, state and local authorities, and government for modernization of aircraft, increase in airspace capacity, and advancement of airports
- Impacts **reduce the footprint** for early adopters (energy, carbon, noise)
- The Demo leads to efficient, safe expansion of **underutilized airspace** for growth of air mobility through NextGen technologies

The Rest of the Story....